Panasonic

# Digital Cordless Answering System
# Operating Instructions

## Model No. KX-TCD510NZ

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Caller ID Compatible

**Please read these Operating Instructions before using the unit and save for future reference.**

**Charge the batteries for about 7 hours before initial use.**

# Before Initial Use

## Features

**Digital Answering System**

Up to 30 minutes recording time or up to 64 messages, with time/day stamp that records when messages were received and counts the total number.

**32-Polyphonic Ring Tones**

A variety of high-quality sounds can be reproduced for your ring tones. You can choose from 9 pre-set melodies and 6 ring tones.

**Hands-Free Speakerphone**

You can talk without holding the handset.
Convenient for talking while doing something else.

**Headset Jack**

Plug in the optional headset and the hands-free facility provides total ease and freedom of use.

**Illuminated Keypad**

Lights up when there is an incoming call or you touch any key for easier operation even in the dark.

**200+20-Station Phonebook**

Stores 200 station names and numbers with the built-in telephone directory of the handset to be recalled easily and stores 20 station names and numbers in the base unit for Audible Caller ID feature.

**Multiple Handsets**

Up to 6 handsets can be registered with a single base unit for added convenience. (Optional handset/charger are available separately.)

**LCD Backlight**

Lights up when there is an incoming call or you touch any key for easier operation even in the dark.

***Thank you for purchasing your new Panasonic digital cordless telephone.***

Dear purchaser,
You have acquired a KX-TCD510NZ, which is a product made in accordance with the Digital Enhanced Cordless Telecommunications (DECT). DECT technology is characterized by high-security protection against interceptions as well as high-quality digital transmission. This telephone was designed for a wide range of applications. For example, this telephone can be used within a network of base units and handsets, constituting a telephone system which:

- operates up to 6 handsets at one base unit.
- allows an intercom between 2 handsets.
- allows the operation of a handset at up to 4 base units, expanding the communication radio area.

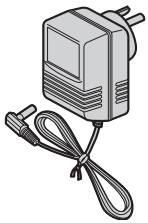
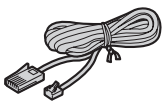
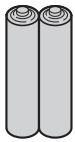
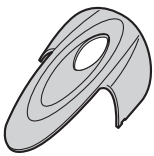
Caller ID Service, where available, is a telephone company service. After subscribing to Caller ID, this phone will display the caller's phone number.

**General Warning:**

The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

# Before Initial Use

**Accessories (specific to product type)**

| | | |
|---|---|---|
| ☐ AC Adaptor<br>PQLV19AL<br>  <br>one | ☐ Telephone Line Cord<br>  <br>one | ☐ Rechargeable Batteries<br>(AAA size)<br>HHR-4EPT/BA2<br>  <br>two |
| ☐ Belt Clip<br>  <br>one | ☐ Battery Cover<br> <br>one | |

Additional accessories are available for purchase. Contact your Panasonic Service Centre for further details.

Only use the power supply included with the product.
**Do not connect the AC adaptor to any AC outlet other than the standard AC220-240 V.**
**The apparatus is approved for use with PQLV19AL power supply.**
This apparatus is unable to make calls under the following conditions:

- The portable handset batteries need recharging, or have failed.
- During a mains power failure.
- When the Key Lock is set to ON.
- When the unit is in Direct Call mode (only the Direct Call Number can be made).

Do not open the base unit or handset (other than to change the batteries).
This apparatus should not be used near emergency/intensive care medical equipment and should not be used by people with pacemakers.
Care should be taken that objects do not fall onto, and liquids are not spilled into the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration or shock.

### Environment

Do not use this unit near liquid–for example, near a bath tub, washbowl, sink, etc. Damp basements should also be avoided.
The unit should be kept away from heat sources such as heaters, kitchen stoves, etc. It also should not be placed in rooms where the temperature is less than 5 °C or greater than 40 °C.
The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is located/installed near the unit and is accessible.

**WARNING:**
TO PREVENT THE RISK OF ELECTRICAL SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY OTHER TYPE OF MOISTURE.

### Battery Caution

1. Use only the specified batteries.
2. **Only use rechargeable batteries.**
3. Do not mix old and new batteries.
4. Do not dispose of batteries in a fire, as they may explode.
   Check local waste management codes for special disposal instructions.
5. Do not open or mutilate the batteries. Released electrolyte from the batteries is corrosive and may cause burns or injury to the eyes or skin.
   The electrolyte may be toxic if swallowed.
6. Exercise care in handling the batteries in order not to short circuit the batteries with conductive materials such as rings, bracelets and keys.
   The batteries and/or conductor may overheat and cause burns.
7. Charge the batteries in accordance with the information provided in this operating guide.

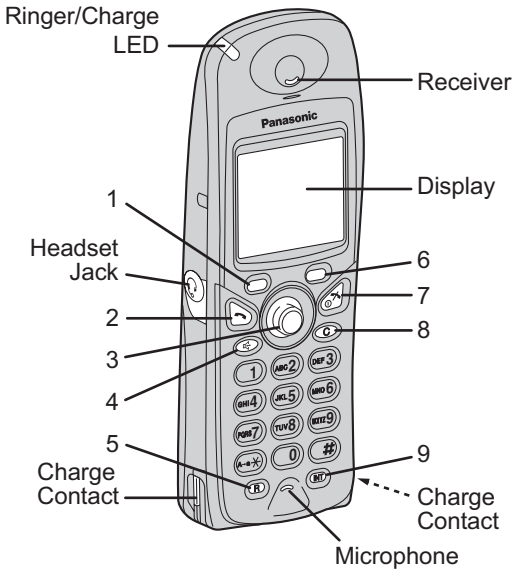
### Location

- For maximum distance and noise-free operation, place your base unit:

- Away from electrical appliances such as TVs, radios, personal computers or other phones.
- In a convenient, high, and central location.

# Location of Controls

## Handset




1 - **LEFT SOFT KEY**

2 - **TALK** Button

3 - **JOYSTICK**

4 - **SPEAKERPHONE** Button

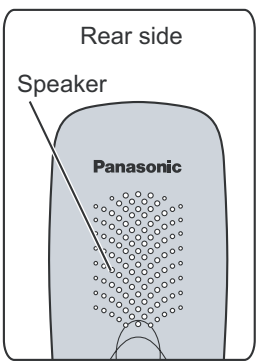
5 - **RECALL** Button

6 - **RIGHT SOFT KEY**

7 - **POWER/TALK OFF** Button

8 - **CLEAR** Button

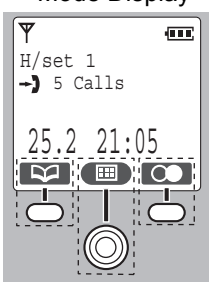
9 - **INTERCOM** Button




### How to Use the Handset Soft Keys

3 soft keys are used to select functions displayed directly above the keys.
Functions displayed above the keys will change depending on the state of use.
For example, on the standby mode display, "", "" and "" are displayed above the soft keys.

**Example:** Standby Mode Display




To operate "" (**Phonebook**), press **LEFT SOFT KEY**.

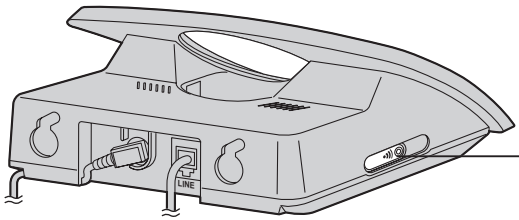
To operate "" (**Menu**), press **JOYSTICK** directly as the middle soft key.

To operate "" (**Redial**), press **RIGHT SOFT KEY**.

When "" is displayed above a soft key, the soft key will not work.

- To select only "" (**Menu**), you can also select it moving the **JOYSTICK** up, down, left or right.

## Base Unit

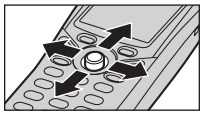
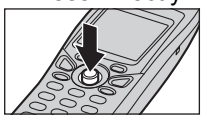
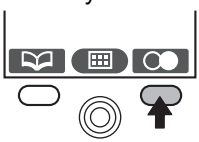
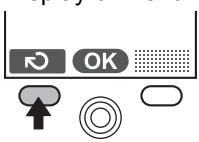



**PAGE** Button

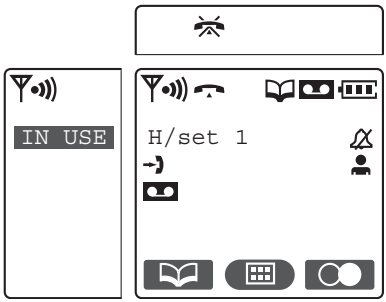
# Meanings of Icons above SOFT KEYS

| Icon | Function | Icon | Function |
|---|---|---|---|
| | Go Back | ABC | Alphabet |
| | Menu | 0-9 | Numeric |
| | Sub-Menu | AÄÅ | Extended 1 |
| OK | OK | SŚŠ | Extended 2 |
| | Redial | АВГ | Greek |
| | Phonebook | А Б В | Russian |
| | New Phonebook | | Select |
| | Search | P | Pause |
| | Key Lock | | Mute |
| 12/24 | 12/24 Hour Clock | | Delete |
| | Stop | | No Function |

# Meanings of Symbols and Operations of Keys

| Symbol | Meaning | |
|---|---|---|
| | Move the **JOYSTICK** up, down, left or right.<br>e.g., Search the main menu.<br>  | |
| e.g., OK<br> | e.g., Display of menu items<br> | Press **JOYSTICK** directly in the centre.<br>In this example, the desired item is selected.<br>Press Directly<br>  |
| e.g., Redial<br> | e.g., Standby Mode Display<br>  | Press **RIGHT SOFT KEY**.<br>In this example, the telephone number last dialled is displayed. |
| e.g.,<br>Go Back<br> | e.g., Display of menu items<br>  | Press **LEFT SOFT KEY**.<br>In this example, the display returns to the previous menu.<br>(C) has the same function. |
| | Press **POWER/TALK OFF** Button.<br>**Press this button once or twice, then the display returns to the standby mode any time.** | |
| | To go to the next step. | |
| “ ” | The words in “ ” indicate the words in the display. | |
| | Ringing Phone | |

## Display Icons

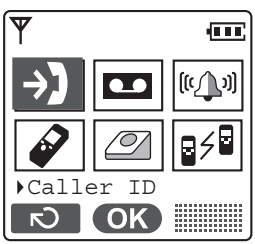



| | |
|---|---|
| | Within range of a base unit |
| | Out of range/No registration/ No power on base unit |
| | Paging/Intercom/ While connecting with base unit |
| | Making or answering calls |
| | Call Bar ON |
| | Phonebook Mode |
| | Answering System ON Message indication |
| | Battery strength |
| | Direct Call ON |
| | Ringer Volume OFF |
| H/set 1 | Handset Name (e.g., Handset 1) |
| | New call (Caller ID only) |
| IN USE | The line is being used by another handset (for additional handset users). |

## Main Menu Display

To go to the **Main Menu**, press **JOYSTICK** directly in the centre (or move ) while in the standby mode display. The selected menu icon is turned over, and its title is displayed.

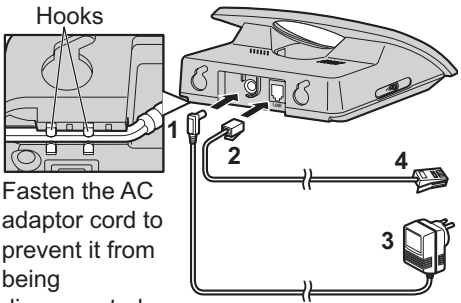
**Example:** "Caller ID" is selected.




| | |
|---|---|
| | Caller ID |
| | TAM Operation |
| | Handset Ringer Option |
| | Setting Handset |
| | Setting Base Unit |
| | Walkie-Talkie |

## Connection

Plug in the AC adaptor and the telephone line cord in order **1**, **2**, **3**, **4**.



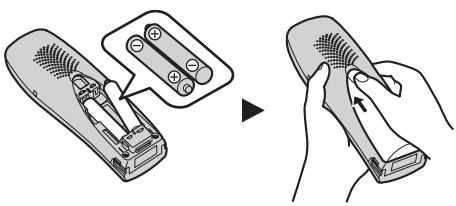

Fasten the AC adaptor cord to prevent it from being disconnected.

- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- Never install telephone wiring during a lightning storm.
- USE ONLY WITH Panasonic AC ADAPTOR PQLV19AL.
- KX-TCD510NZ is not designed to be used with rotary (pulse dialling) services.

## Battery Installation

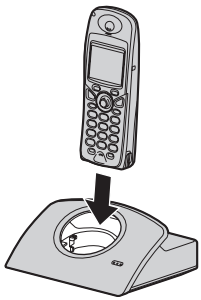
Please ensure the batteries are inserted as shown. ⊖ part should be inserted first. Close the cover as indicated by the arrow.

- When you replace the batteries, ⊕ part should be removed first.



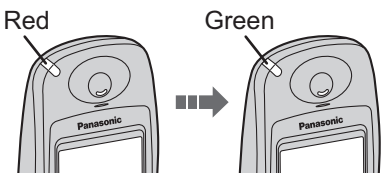
## Battery Charge

At the time of shipment, the batteries are not charged. To charge, place the handset on the base unit. **Please charge the batteries for about 7 hours before initial use.**



During charging, the charge LED will light as shown below.

**During charging** **Fully charged**




| Display icon | Battery strength |
|---|---|
| | High |
| | Medium |
| | Low |
| | Needs to be charged |

The handset will turn on automatically when it is placed on the base unit.
**The handset will not operate while it is on the base unit.**
If you do not recharge the handset battery for more than 15 minutes, the display will flash when the handset is lifted off the base unit.

## Battery Information

After your Panasonic battery is fully charged:

**Ni-MH Batteries (typical 700 mAh)**

| Operation | Operating Time |
|---|---|
| While in use (TALK) | 10 hrs approx. |
| While not in use (Standby) | 120 hrs approx. |

**Ni-Cd Batteries (typical 250 mAh)**

| Operation | Operating Time |
|---|---|
| While in use (TALK) | 4 hrs approx. |
| While not in use (Standby) | 40 hrs approx. |

- Times indicated are for peak performance.
- The battery operating time may be shortened depending on usage conditions and ambient temperature.
- **Clean the charge contacts of the handset and the base unit with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.
- The batteries cannot be overcharged unless they are repeatedly removed and replaced.
- For maximum battery life, it is recommended that the handset not be recharged until the battery icon flashes .

## Replacing the Batteries

If the icon flashes after a few telephone calls even when the handset batteries have been fully charged, both batteries must be replaced.

- **Charge new batteries for approximately 7 hours before initial use.**
- **When replacing the batteries, be sure to set up the battery type even if you install the same type of batteries to initialise battery remaining memory of your handset. (See Setting the Battery Type on page 43.)**
- Do not use non-rechargeable batteries. If non-rechargeable batteries are fitted and start charging, it may cause the leakage of the battery electrolyte.
- Press the notch on the cover firmly and slide it as indicated by the arrow. Replace both batteries (p.10) and close the cover then charge the handset for about 7 hours.

**Please order Panasonic HHR-4EPT (Ni-MH) or P-4NPT (Ni-Cd) batteries.**

# Setting up

## Power ON/OFF

### Power ON

Press and hold **POWER**.

When **POWER** is released, the display changes to the standby mode.

### Power OFF

Press and hold **POWER**.

The display goes blank.

## Selecting the Display Language

You can select one of 19 languages. The factory preset is English.

To exit the operation, press at any time.

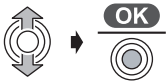
**1** Press **JOYSTICK** (or move).

**2** Select "Setting Handset".

**3** Select "Display Option".

**4** Select "Select Language".

**5** Select the desired language.




- If you set a language you cannot read, reset the handset to its initial settings.

  Press ➧ Press ➧ Move ➧ Press ➧ Move ➧ Press ➧ Move ➧ Press ➧ Enter 4-digit Handset PIN (Factory Preset 0000) ➧ Move ➧ Press

  All handset settings will be reset to their initial settings (p.44), however, the phonebook data will be saved.

## Setting the Date and Time

After a mains power failure, the clock needs to be adjusted. Ensure that the icon is not flashing.
To exit the operation, press at any time.

**1** Press **JOYSTICK** (or move).

**2** Select "Setting Handset".

**3** Select "Set Date/Time".

**4** Enter the date (see below).

**5** Enter the time (see below).

**6** Press **JOYSTICK**.

**Example**: To set 16 February, 2003, 7:15 pm.

| Date | | | Time | | |
|---|---|---|---|---|---|
| Day | Month | Year | Hour | Minute | 12/24 hour clock |
| 1 6 | 0 2 | 0 3 | 0 7 | 1 5 | 12/24 12/24 |

### To Select 12/24 Hour Clock

Press **RIGHT SOFT KEY** repeatedly.

24 hour clock → 12 hour clock (AM) → 12 hour clock (PM)

# Using the Telephone

## Making a Call

### Pre-Dialling

**1** Enter Phone Number.

**2** Press **TALK**.

### Post-Dialling

**1** Press **TALK**.

**2** Enter Phone Number.

- If you need to make a correction while entering the phone number when using **Pre-Dialling**, press C. The digit is cleared to the left, then you can enter numbers. All digits are cleared if you press and hold C.
- You can also press to make a call.

## Answering a Call

Press **TALK**.

### Terminating a Call

(During a call)

Press **TALK OFF**.

- You can also answer a call by pressing 0 to 9, *, #, or INT (**Any Key Talk**).

## Auto Talk

If you set **Auto Talk** to ON, you can answer a call by lifting the handset off the base unit. (See **Setting Auto Talk ON/OFF** on page 43.)

## Receiver (or Headset Receiver)/Speaker Volume

The choices for the receiver (or headset receiver) volume are 3 levels, and 6 levels for the speakerphone volume.

(During a call) ➧ To increase volume, move the **JOYSTICK** up.
To decrease volume, move the **JOYSTICK** down.

## Hands-Free Phone Conversation (using Digital Speakerphone)

Speakerphone allows you to talk to your caller without holding the handset and allows other persons in the room to listen to the conversation.

(During a call) ➧ Press **SPEAKERPHONE**.

**To Return to Receiver**

Press **TALK**.

- For best performance, please note the following:
- Talk alternately with the caller in a quiet environment.
- If either party has difficulty hearing, move the **JOYSTICK** up or down to change the volume accordingly. The choices for the speakerphone volume are 6 levels.

## Muting Your Conversation

During a call, you can mute your phone so the other party cannot listen to you. When muting your conversation, you can hear the other party.

**To Mute**

(During a call) ➧ Press **LEFT SOFT KEY**, then Icon flashes.

**To Return to the Conversation**

Press once more.
Icon stops flashing.

## Key Lock

You can lock the handset dialling buttons. Only incoming calls are accepted while the key lock is ON. When the key lock is ON, the menu icon changes to .

**When the key lock is ON, emergency calls cannot be made until key lock is cancelled.**

**Key Lock ON**

(Standby Mode Display) ➧ Press and hold **JOYSTICK** directly for more than 2 seconds.

**Key Lock OFF**

Press and hold **JOYSTICK** directly for more than 2 seconds once more.

## Handset Locator/Paging

You can locate a misplaced handset by paging it.

**Paging**

**<Base Unit>**

Press **PAGE**.

➧

**<All Handsets>**

All registered handsets ring for 1 minute.

**To Stop Paging**

**<Base Unit>**

Press **PAGE**.

**OR**

**<One of Handsets>**

Press **TALK**.

- You can also stop paging by pressing 0 to 9, INT, #, *, 1, or .
- When the ringer volume is off (p.38), the handset will ring at the lowest level.

## Redialling

The last 10 numbers dialled are automatically stored in the redial list.

### Dialling with the Redial List

**1** Press **RIGHT SOFT KEY**.

**2** Search for the desired dialled item.

**3** Press **TALK**.

- If there are no items stored in the redial list when pressing , the display shows "Memory Empty".
- If the items are scrolled to the end when you search for the desired dialled item, an end tone sounds.
- You can also press to make a call.
- To save the numbers from the redial list into the handset phonebook, or to edit or delete from memory, see pages 22 and 23.

### Dialling the Last Number Dialled

**1** Press **TALK**.

**2** Press **RIGHT SOFT KEY**.

**Auto Redial**

If you press then to redial and the dialled number is engaged, the unit will automatically call back every 40 seconds, up to 10 times. When using Auto Redial, press again after pressing if the mute has not been cancelled.

## Recall Feature

**RECALL** (R) is used to access special telephone services. Contact your telephone company for details. If your unit is connected to a PBX, pressing (R) allows you to access some features of your host PBX such as transferring an extension call.

## Dialling Pause (for PBX line/long distance service users)

A dialling pause is used when a pause in the dialling of a phone number is necessary using a PBX or accessing a long distance service.
For example, when 0 (line access number) is dialled followed by a pause to access an outside line through a PBX:

| 1 Press **0**. | 2 Press **RIGHT SOFT KEY**. | 3 Enter Phone Number. | 4 Press **TALK**. |
|---|---|---|---|
| | | | |

- Entering a pause prevents misdialling when you redial or dial a stored number.
- Pressing **RIGHT SOFT KEY (Pause)** more than once increases the length of the pause between numbers.
- To change the pause time, see **Selecting the Pause Time** on page 46.

## Call Waiting

**Call Waiting is a service of your telephone company and will only operate if you have subscribed to this service.** You can answer the second call, keeping the first call on hold.

| (Call waiting tone sounds during a call) | ➧ | Press **RECALL**. | ➧ | The first call is put on hold and you can answer the second call. |
|---|---|---|---|---|

### To Return to the First Caller

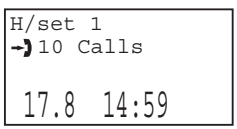
Press **RECALL** once more.

- If you subscribed to Caller ID and Call Waiting services, your handset displays a second caller's phone number while talking.
- If the phone number is stored in the phonebook with its name, the caller's name will also be displayed.
- Your telephone company may not support the second caller display feature.
- Please consult your telephone company for details of this service.

## Caller ID Service

**Caller ID is a service of your telephone company and will only operate if you have subscribed to this service.**
**After subscribing to Caller ID, this phone will display the caller information.**
If your unit is connected to a PBX or a telephone line that does not support this service, you will not be able to use it.
Caller ID does not display caller information while using the handset for an intercom call. However, the caller information will be stored to the Caller ID List.
For all local and national incoming calls, your display will show the area code (e.g. 09 for Auckland) or the cellular prefix (e.g. 0274 for Telecom Cellular) followed by the caller's telephone number. An Auckland caller's number will be displayed as 09XXXXXXX. The seven X's represent the seven digits of the caller's telephone number. A call from a six digit Telecom Cellular number will be displayed as 0274XXXXXX. For incoming international calls, your display may only show the digits "0000". For business users on a Centrex line, your display will show the Centrex extension numbers in the shorter extension number format used within your company.

### Standby Mode Display




When new calls have been received, the display shows the number of calls.
In the example on the left, 10 new calls have been received.

## Using Telecom's or Another Company's Toll Services

Your telephone company may charge you for a local call if the number dialled has the area code prefix included. If the charge for local call is unacceptable, only the 7-digits of the local number should be dialled from your telephone. Do not dial the "0" prefix or the area code digit.

## Making a Call from the Caller ID List

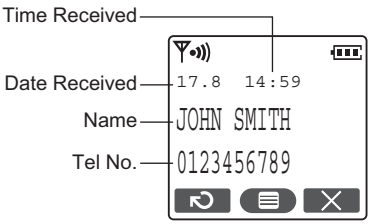
The last 50 callers' phone numbers are stored in the order the calls were received. When the 51st call is received, the oldest caller information is cleared. If the caller's name has been stored with the number in the phonebook (see **Storing Caller Information** on page 25), the caller's name will also be displayed.

To exit the operation, press ⏻ at any time.

**1** Press **JOYSTICK** (or move).

**2** Select "Caller ID".

**3** The newest caller information is displayed.




**4** Search for the desired item.

**5** Press **TALK**.

- You can also press ☎ to make a call.
- "✓" indicates you have already viewed this caller information, or answered the call.
- If the caller has requested not to display his/her information, the display shows "Private Caller".
- If the caller dialled from an area which does not provide Caller ID service, the display shows "Out of Area".
- If the items are scrolled to the end when you search for the desired item, an end tone sounds.
- If you store your area code (p.47), phone numbers from the same area will be dialled without the area code. You do not need to edit numbers to call back.

## Caller ID List Menu

You can save the numbers from the Caller ID list into the handset phonebook, and you can edit (for calling) or delete item(s) in the Caller ID List.
To exit the operation, press at any time.

**1** Press **JOYSTICK** (or move).

**2** Select "Caller ID".

**3** Select the desired item.

Go to step **4**.

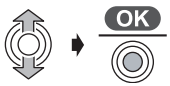
- If the items are scrolled to the end when you search for the desired item, an end tone sounds.
- If there are no items stored in the caller list when "Caller ID" is selected, the display shows "Memory Empty".

### Editing the Received Number for Calling

The caller's telephone number, which is sent to your telephone from your local telephone exchange, includes the "0" and area code prefix. For local calls, the "0" and area code prefix can be omitted. See page 19 "Using Telecom's or Another Company's Toll Services" for more information.

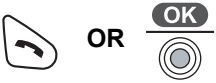
Follow steps **1** to **3** shown above, then:

**4** Select "Edit for Call".




**5** Edit Phone Number. (max. 24 digits)

**6** Press **TALK** or press **JOYSTICK** to call.

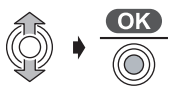



- You can also press to make a call.

### Storing the Number in the Handset Phonebook

Follow steps **1** to **3** shown above, then:

**4** Select "Save Phonebook".




**5** Enter Name (p.27), then press OK. (max. 16 characters) If required, edit phone number. (max. 24 digits)

**6** Press **JOYSTICK**.

**7** Select the desired category or "Off" (p.24).

**8** Select "Save", then "Saved" is displayed.

◆**Deleting One/All Caller ID Item(s)**

Follow steps **1** to **3** on the previous page, then:

***4*** Select "`Delete`" or "`Delete All`".

***5*** Select "`Yes`", then "`Deleted`" is displayed.

## ◆◆Redial List Menu

You can save the numbers from the redial list into the handset phonebook, and you can edit (for calling) or delete item(s) in the redial list.
To exit the operation, press ⏻ at any time.

***1*** Press **RIGHT SOFT KEY**.

***2*** Select the desired item.

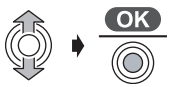
Go to step **3**.

- If there are no items stored in the redial list when pressing , the display shows "`Memory Empty`".

◆**Storing the Number in the Handset Phonebook**

Follow steps **1** and **2** shown above, then:

***3*** Select "`Save Phonebook`".

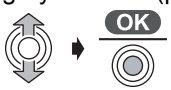



***4*** Enter Name (p.27). (max. 16 characters)

***5*** Press **JOYSTICK** twice.

twice

***6*** Select the desired category or "`Off`" (p.24).




***7*** Select "`Save`", then "`Saved`" is displayed.

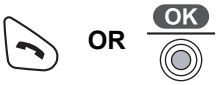
### ◆Editing the Dialled Number for Calling

Follow steps **1** and **2** on the previous page, then:

***3*** Select "`Edit for Call`".

***4*** Edit Phone Number. (max. 24 digits)

***5*** Press **TALK** or press **JOYSTICK** to call.

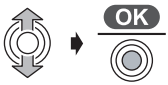



- You can also press (↵) to make a call.

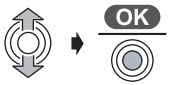
### ◆Deleting One/All Redial Item(s)

Follow steps **1** and **2** on the previous page, then:

***3*** Select "`Delete`" or "`Delete All`".




***4*** Select "`Yes`", then "`Deleted`" is displayed.



# Using the Phonebook

You can store up to 200 caller information in the handset phonebook and up to 20 caller information in the base unit phonebook. If you subscribed to Caller ID and you received a call from the same phone number you stored with name in the phonebook, the display will show the caller's name.

## Private Category Feature

You can categorise caller information in the handset phonebook. There are 9 categories available. For example, category 1 can be used to save friends' numbers. For each category, you can change the category name (max. 10 characters: see **Changing the Private Category Name** on page 40), and you can select one of 3 Ringer LED colours (see **Setting the Private Colour** on page 40) and one of 15 ringer types (see **Selecting the Ringer Pattern for Private Ring** on page 38).
**This feature is only available after subscribing to Caller ID Service.** Please contact your telephone company for further information.

**Example**

| Private Category No. | Ringer LED Colour * | | | Private Ringer Type | Category Name |
|---|---|---|---|---|---|
| | Green | Orange | Red | | |
| 1 | | ✓ | | 3 | Friends |
| 3 | | | ✓ | 2 | Customers |

* The factory preset LED colour is green.

- The unit will indicate an incoming call using the factory preset LED colour (green) and the ringer pattern assigned to external calls (p.38) momentarily until Caller ID information is received from the service provider.

## Audible Caller ID Feature

To use this feature, you need to subscribe to Caller ID service. For further information, please contact your telephone company. You need to store caller information and record the name into the base unit phonebook.

When a call comes in, the unit will ring and the caller information will be received. If you receive a call from one of the same phone numbers stored in the base unit phonebook, the handset will announce the recorded name.

- If the ringer volume of the handset is OFF, the recorded name will not be announced. Announcement volume depends on the handset ringer setting (p.38).
- Your unit may mute one or more of rings in order to announce the name of the caller, as announcement is prior to rings.

## Storing Caller Information

To exit the operation, press at any time.

### Handset Phonebook

**1** Press **LEFT SOFT KEY**.

**2** Press **JOYSTICK**.

**3** Select "`H/set Phonebook`", then the display shows the number of empty phonebook entries.

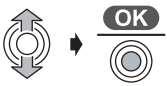
**4** Enter Name (p.27). (max. 16 characters)

**5** Press **JOYSTICK**.

**6** Enter Phone Number. (max. 24 digits)

**7** Press **JOYSTICK**.

**8** Select the desired category or "`Off`".




**9** Select "`Save`", then "`Saved`" is displayed.

- If "`Memory Full`" is displayed in step **3**, the phonebook is full. To store, delete other stored items in the phonebook.
- To continue storing other caller information, repeat from step **4**.

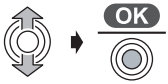
# Using the Phonebook

### ◆Base Unit Phonebook

To use the Audible Caller ID feature (p.24), you must store caller information into the base unit phonebook.

Follow steps **1** and **2** on the previous page, then:

***3*** Select "`Base Phonebook`", then the display shows the number of empty phonebook entries.



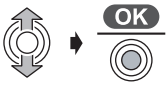

***4*** Enter Name (p.27). (max. 16 characters)

***5*** Press **JOYSTICK**.

***6*** Enter Phone Number. (max. 24 digits)

***7*** Press **JOYSTICK**.

***8*** Select "`Start Recording`".




***9*** Record the name within 1 minute.

***10*** Press **JOYSTICK**.

***11*** Select "`Save`", then "`Saved`" is displayed.

- If "`Memory Full`" is displayed in step **3**, the phonebook is full. To store, delete other stored items in the phonebook.
- If "`Memory Full`" is displayed in step **8**, the remaining recording time is 0. To store, delete unnecessary incoming/memo messages (p.65).
- To continue storing other caller information, repeat from step **4**.

### ◆Copying an Item from Handset Phonebook to Base Unit Phonebook

Press **INTERCOM** (INT) ➧ Press ➧ Press to select "`Copy to Base`" ➧

Move to select the desired item ➧ Press ("`Copy Complete`" is displayed.)

To use the Audible Caller ID feature, record the name (see **Base Unit Phonebook** on page 31).

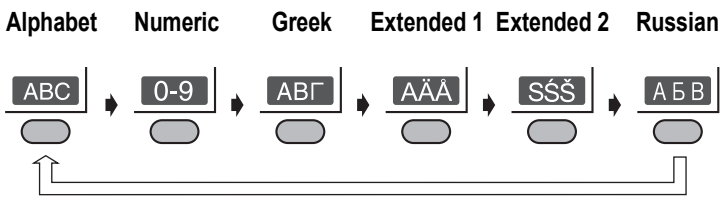
## Entering Names/Characters

| Keys | Operations |
|---|---|
| | Move the **JOYSTICK** up, down, left or right to move the cursor (a flashing digit). |
| 0 to 9 WXYZ | Press to enter letters/numbers. (Items are added to the left of the cursor. If the cursor is at the beginning of a line, the item is added at the beginning.) |
| C | Press to delete characters. (Character on the cursor is deleted. To delete all characters, press and hold.) |
| A→a ✳ | Press to change between upper and lower case. |
| 0 | Press to insert a blank space (except when in Numeric input mode). |
| 1 | Press to insert a symbol ( ✳, #, /, etc.) (except when in Numeric input mode). |

### Selecting the Input Mode

You can select one of 6 input modes by pressing **RIGHT SOFT KEY** while entering a name. The function icon above the key displays the current input mode. The factory preset is "**Alphabet Mode**".
For the full character map, see **Phonebook Character Table** (p.76).

To switch the input mode while editing the name in the phonebook, press **RIGHT SOFT KEY**.




**Example (Alphabet Mode)**
Enter the name using the letters on the keypad. For example, to enter "Anne" in Alphabet Mode:

# Using the Phonebook

## ◆◆Finding Items in the Phonebook

All phonebook items are stored in the following order: Alphabet letter/Symbol/Number/ Telephone Number (when a name is not stored).

To exit the operation, press ⏻ at any time.

**1** Press **LEFT SOFT KEY**.
To select the base unit phonebook, press **LEFT SOFT KEY** again.

**2** Move the **JOYSTICK** up or down to search for the desired item.

### ◆Searching for a Name by Initial

**Example:** To find “Felix”

**1** Press **LEFT SOFT KEY**.
To select the base unit phonebook, press **LEFT SOFT KEY** again.

**2** Press **3** repeatedly until the first item under “F” is displayed.

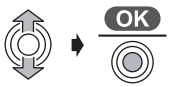
**3** Move the **JOYSTICK** down until “Felix” is displayed.

### ◆Searching by Private Category (For Handset Phonebook only)

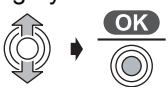
**1** Press **LEFT SOFT KEY**.

**2** Press **RIGHT SOFT KEY**.

**3** Select “Category”.




**4** Select the desired category.




**5** Select the desired item to display.

### ◆Searching by Index Search Mode

**Example:** To find “ΣΟΦΙΑ” (SOPHIA).

**1** Press **LEFT SOFT KEY**.
To select the base unit phonebook, press **LEFT SOFT KEY** again.

**2** Press **RIGHT SOFT KEY**.
When searching from the base unit phonebook, go to step **4**.

**3** Select “`Index Search`”.

**4** Press **RIGHT SOFT KEY** repeatedly until the desired input mode (Greek) appears.

**5** Select the desired initial character “Σ”.

**6** Move the **JOYSTICK** down until “ΣΟΦΙΑ” is displayed.

## ◆◆Dialling from the Phonebook

**1** Press **LEFT SOFT KEY**.
To select the base unit phonebook, press **LEFT SOFT KEY** again.

**2** Select the desired item (see above and previous page).

**3** Press **TALK** or **SPEAKERPHONE**.

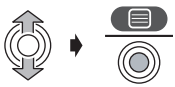
## Editing Caller Information

To exit the operation, press ⏻ at any time.

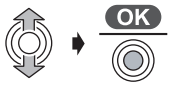
### Handset Phonebook

**1** Press **LEFT SOFT KEY**.

**2** Select the desired item.



**3** Select "Edit".



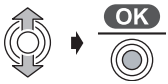

**4** Edit Name. (max. 16 characters)

**5** Press **JOYSTICK**.

**6** Edit Phone Number. (max. 24 digits)

**7** Press **JOYSTICK**.

**8** Select the desired category or "Off".



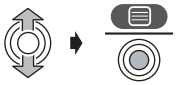

**9** Select "Save", then "Saved" is displayed.

- To continue editing other caller information, repeat from step **2**.

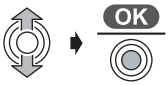
### Base Unit Phonebook

**1** Press **LEFT SOFT KEY** twice.

**2** Select the desired item.



**3** Select "Edit".



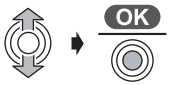

**4** Edit Name. (max. 16 characters)

**5** Press **JOYSTICK**.

**6** Edit Phone Number. (max. 24 digits)

**7** Press **JOYSTICK**.

**8** Select "Start Recording".
If you do not change the recorded name, select "Skip Recording", then go to step **11**.
If you delete the recorded name, select "Delete", then go to step **11**.




**9** Record the name within 1 minute.

**10** Press **JOYSTICK**.

**11** Select "Save", then "Saved" is displayed.

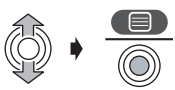
- To continue editing other caller information, repeat from step **2**.
- If you confirm the recorded name, select "Audible Call", then press OK at step **3**.

## Deleting Caller Information

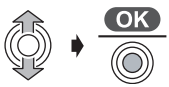
To exit the operation, press ⏻ at any time.

**1** Press **LEFT SOFT KEY**.
To select the base unit phonebook, press **LEFT SOFT KEY** again.

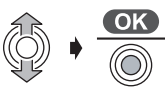
**2** Select the desired item.



**3** Select "Delete".




**4** Select "Yes", then "Deleted" is displayed.




- To continue deleting other caller information, repeat from step **2**.
- If there are no items stored in the phonebook when searching for the desired item, the display shows "Memory Empty".

## Hot Keys

You can assign the dialling buttons 1 through 9 as hot keys. You can choose 9 phone numbers from the handset phonebook.

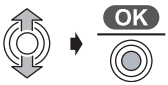
To exit the operation, press the power button at any time.

### Registering a Phone Number as a Hot Key

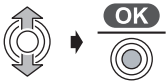
**1** Press **LEFT SOFT KEY**.

**2** Select the desired item.

**3** Select "`Reg. to Hot Key`".




**4** Select the desired dialling button number.



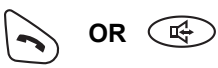

**5** Select "`Save`", then "`Saved`" is displayed.

- If there are no items stored in the phonebook when searching for the desired item, the display shows "`Memory Empty`".
- If an item is already assigned to a hot key, "✓" will be displayed on the left of the key number. If a hot key number with "✓" is selected, press OK to select "`Overwrite`".

### Dialling with a Hot Key

**1** Press and hold the dialling button registered as a hot key until a phone number is displayed.

**2** Press **TALK** or **SPEAKERPHONE**.




### Deleting the Hot Key Registration

**1** Press and hold the dialling button registered as a hot key until a phone number is displayed.

**2** Press **JOYSTICK**.

**3** Select "`Delete`".

**4** Select "`Yes`", then "`Deleted`" is displayed.

- Phonebook registration will not be erased when hot key registration is deleted.

## Handset Settings Menu Chart

| 1st Menu | 2nd Menu | 3rd Menu |
|---|---|---|
| Setting Handset | Set Date/Time | |
| | Memo Alarm | |
| | Ringer Option | Ringer Volume |
| | | EXT Ringer Type |
| | | INT Ringer Type |
| | | Paging Tone |
| | | Private Ring |
| | Tone Option | Key Tone |
| | Display Option | Standby Display |
| | | Talk Display |
| | | Select Language |
| | | Private Colour |
| | | Category Name |
| | Call Option | Call Bar |
| | | Direct Call No. |
| | | Direct On/Off |
| | Registration | Register H/set |
| | | Cancel Base |
| | Select Base | Auto |
| | | Base 1<br>⋮<br>Base 4 |
| | Other Option | Change H/S PIN |
| | | Change H/S Name |
| | | Auto Talk |
| | | Battery Type |
| | | Reset Handset |

# Settings Menu Chart

## Base Unit Settings Menu Chart

| 1st Menu | 2nd Menu | 3rd Menu |
|---|---|---|
| Setting Base | Ringer Option | Ringer Volume |
| | Call Option | Recall |
| | | Pause Time |
| | | Emergency Call |
| | | Set ARS |
| | | Call Restricted |
| | Cancel Handset | |
| | Other Option | Change Base PIN |
| | | Reset Base |

## Memo Alarm

Set the date and time before setting the memo alarm (p.13).

To exit the operation, press at any time.

**1** Press **JOYSTICK** (or move).

**2** Select "Setting Handset".

**3** Select "Memo Alarm".

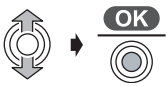
**4** Select the desired alarm number (1-3).

Go to step **5**.

### Setting the Alarm Mode "Once" or "Daily"

Follow steps **1** to **4** shown above, then:

**5** Select "Once" or "Daily".

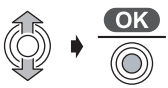



**6** "Once": Enter the date and time.
"Daily": Enter the time.

**7** Press **JOYSTICK**.

**8** Enter a memo message (max. 32 characters, p.27) then press **JOYSTICK**.

**9** Select the desired ringer pattern.




**10** Select "Save", then "Saved" is displayed.

- When setting the time, remember to select 12 or 24 hour clock (p.13).
- Memo Alarm volume depends on handset ringer volume. The Memo Alarm will still sound even with the ringer set to off.
- When in talk or intercom mode, the alarm will not sound until the call is ended.

◆**Setting the Alarm** "Off"

Follow steps **1** to **4** on the previous page, then:

***5*** Select "Off".

***6*** Select "Save", then "Saved" is displayed.

- The factory preset is "Off".
- To delete the displayed memo alarm, press then select "Yes" on step **4** on the previous page.

◆**To Stop the Alarm**

(The Alarm sounds: Max. 3 minutes) ➧ Press .

- You can also stop the alarm by pressing , , to , ,  or .
- If "Once" is selected, the setting is turned off.

## Ringer Options

There are 15 ringer patterns available on each ringer. "Ringer 1" to "Ringer 6" are the bell ringer patterns. "Ringer 7" to "Ringer 15" are the preset melody patterns as shown below. The music data in this product belongs to M-ZoNE Co., Ltd.

To exit the operation, press at any time.

| Ringer No. | Ringer Pattern or Name | |
|---|---|---|
| 1 - 6 | Bell Patterns | |
| Ringer Pattern 7 to 15: Preset Melody Patterns | | |
| 7 | Symphony No.5 in C minor | * |
| 8 | Air on G String | |
| 9 | Wholetemperiere Clavier 1 Teil No 1 Fuga Das | |
| 10 | Fantaisie Impromptu | |
| 11 | Allegro Spring/The Four Seasons | |
| 12 | Also Sprach Zarathustra | |
| 13 | Liebestraum | |
| 14 | Polovetsian Dance | |
| 15 | 24 Caprices | |

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- If you select one of the melody ringer patterns, the phone will ring for 10 seconds even if a caller has hung up. Therefore, you may hear a dial tone or no one on the line after you answer a call.

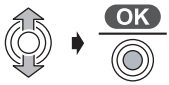
### ◆Setting the Ringer Volume

The choices are 6 levels and off. If you set the volume to OFF, "🔕" is displayed, however, the paging and intercom call volumes will be at level 1.

**1** Press **JOYSTICK** (or move).

**2** Select "Ringer Option".

**3** Select "Ringer Volume".




**4** To increase volume, move the **JOYSTICK** up.
To decrease volume, move the **JOYSTICK** down.

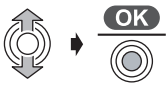
**5** Press **JOYSTICK**.

- The factory preset is 6.

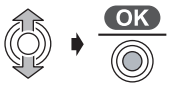
### ◆Selecting the Ringer Pattern for External Call/Internal Call/Paging

Follow steps **1** to **2** shown above, then:

**3** Select "EXT Ringer Type", "INT Ringer Type" or "Paging Tone".




**4** Select the desired ringer pattern.

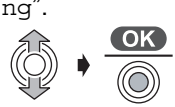



- The factory preset is 1.

### ◆Selecting the Ringer Pattern for Private Ring

Follow steps **1** to **2** shown above, then:

**3** Select "Private Ring".




**4** Select the desired category.

**5** Select the desired ringer pattern.

- The factory preset of each ringer pattern is 1.

## Setting the Handset Key Tone ON/OFF

You can turn the key tone ON/OFF.

To exit the operation, press at any time.

**1** Press **JOYSTICK** (or move).

**2** Select "Setting Handset".

**3** Select "Tone Option".

**4** Press **JOYSTICK** to select "Key Tone".

**5** Select "On" or "Off".

- The factory preset is "On".

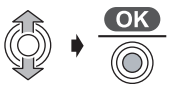
## Display Options

To exit the operation, press at any time.

**1** Press **JOYSTICK** (or move).

**2** Select " Setting Handset".

**3** Select "Display Option".

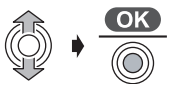



Go to step **4**.

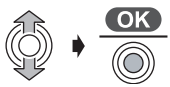
### Selecting the Standby Mode Display

Follow steps **1** to **3** of **Display Options** shown above, then:

**4** Select "Standby Display".




**5** Select "Base Number", "Handset Name" or "Off".




- The factory preset is "Handset Name".

# Handset Settings

### ◆Selecting the Talk Mode Display

Follow steps **1** to **3** of **Display Options** on the previous page, then:

**4** Select "Talk Display".

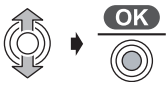
**5** Select "Talk Time" or "Phone Number".

- Even if you select "Phone Number", the length of the call will appear on your display when you receive calls.
- The factory preset is "Talk Time".

### ◆Setting the Private Colour

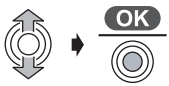
Follow steps **1** to **3** of **Display Options** on the previous page, then:

**4** Select "Private Colour".




**5** Select the desired category.

**6** Select Private Colour "Green", "Red" or "Orange" for each category.



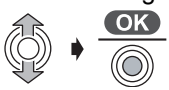

- The factory preset is "Green".
- When you select the private colour on step **6**, the Ringer LED will flash at the selected colour.

### ◆Changing the Private Category Name

Follow steps **1** to **3** of **Display Options** on the previous page, then:

**4** Select "Category Name".

**5** Select the desired category.




**6** Edit Category Name (p.27). (max. 10 characters)

**7** Press **JOYSTICK**.

## Call Options

To exit the operation, press ⏻ at any time.

**1** Press **JOYSTICK** (or move).

**2** Select "Setting Handset".

**3** Select "Call Option".

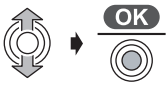
Go to step **4**.

### Call Bar ON/OFF

When this feature is set to ON, outgoing calls cannot be made. Only intercom and calls assigned as emergency numbers can be made (see **Setting the Emergency Calls** on page 46).

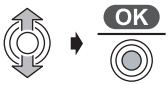
Follow steps **1** to **3** shown above, then:

**4** Select "Call Bar".




**5** Enter 4-digit Handset PIN. (Factory Preset 0000)

**6** Select "On" or "Off".



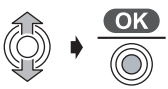

- While the Call Bar mode is turned on, "" is displayed.

### Setting the Direct Call Number

After a direct call number has been set and the feature has been turned on, you can dial only the direct call number by pressing or . **When this feature is ON, emergency calls cannot be made.** However, incoming calls can be answered.

Follow steps **1** to **3** shown above, then:

**4** Select "Direct Call No.".

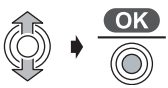



**5** Enter Direct Call Number. (max. 24 digits)

**6** Press **JOYSTICK**.

**7** Select "Save".

**8** Select "On".

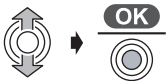



- While the direct call mode is turned on, "" is displayed.

### ◆Setting the Direct Call ON/OFF

Follow steps **1** to **3** on the previous page, then:

**4** Select "Direct On/Off".




**5** Select "On" or "Off".

- If the direct call mode is turned off, " " will disappear.
- If you did not set the Direct Call Number and select "On" in step **5**, "Enter Phone No" will be displayed. Enter the number, then press OK twice.

## ◆◆ Other Options

To exit the operation, press at any time.

**1** Press **JOYSTICK** (or move).

**2** Select " Setting Handset".

**3** Select "Other Option".

Go to step **4**.

### ◆Changing the Handset PIN (Personal Identification Number)

The factory preset is 0000.

Once you have programmed the handset PIN, you cannot recall it. We recommend that you write down the handset PIN. If you forget it, please consult your nearest Panasonic Service Centre.

Follow steps **1** to **3** shown above, then:

**4** Select "Change H/S PIN".

**5** Enter current 4-digit Handset PIN.

**6** Enter new 4-digit Handset PIN.

**7** Enter new 4-digit Handset PIN again to verify.

### ◆Changing the Handset Name

Follow steps **1** to **3** on the previous page, then:

**4** Select "Change H/S Name".

**5** Edit Handset Name. (max. 10 characters)

**6** Press **JOYSTICK**.

### ◆Setting Auto Talk ON/OFF

Follow steps **1** to **3** on the previous page, then:

**4** Select "Auto Talk".

**5** Select "On" or "Off".

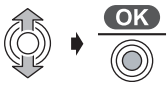
- The factory preset is "Off".

### ◆Setting the Battery Type

Follow steps **1** to **3** on the previous page, then:

**4** Select "Battery Type".

**5** Select "Ni-Cd" or "Ni-MH".




- The factory preset is "Ni-MH".

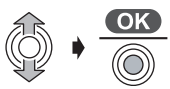
### ◆Resetting the Handset Settings

You can reset all of the handset settings to their initial settings.

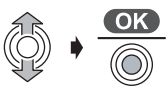
**1** Press **JOYSTICK** (or move).

**2** Select " Setting Handset".

**3** Select "Other Option".

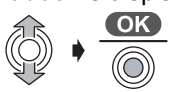



**4** Select "Reset Handset".




**5** Enter 4-digit Handset PIN. (Factory Preset 0000)

**6** Select "Yes", then "Deleted" is displayed.



# Handset Settings

### Handset Initial Settings

| Functions | Initial Settings |
|---|---|
| Memo Alarm Mode | OFF |
| Alarm Time | Delete |
| Handset Ringer Volume | 6 |
| Handset External Ringer Pattern | 1 |
| Handset Internal Ringer Pattern | 1 |
| Handset Paging Tone Pattern | 1 |
| Handset Private Ringer Pattern | 1 |
| Handset Alarm Tone Pattern | 1 |
| Key Tone | ON |
| Standby Mode Display | Handset Name |
| Talk Mode Display | Talk Time |
| Display Language | English |
| Call Bar Mode | OFF |
| Direct Call Mode | OFF |
| Direct Call Number | Delete |
| 4-Digit Handset PIN | 0000 |
| Auto Talk | OFF |
| Select Base | Automatic Base Unit Selection |
| Redial Memory | Delete All |
| Handset Receiver Volume | Medium |
| Walkie-Talkie Setting | Group |
| Phonebook List | Remain |
| LED Colour of Private Category | Green |
| Battery Type | Ni-MH |

## Setting the Base Unit Ringer Volume

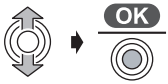
To exit the operation, press at any time.

**1** Press **JOYSTICK** (or move).

**2** Select "Setting Base".

**3** Enter 4-digit Base Unit PIN. (Factory Preset 0000)

**4** Select "Ringer Option".




**5** Select "Ringer Volume".

**6** To increase volume, move the **JOYSTICK** up. To decrease volume or set to OFF, move the **JOYSTICK** down. (3 levels)

**7** Press **JOYSTICK**.

- The factory preset is medium.

## Call Options

To exit the operation, press at any time.

**1** Press **JOYSTICK** (or move).

**2** Select "Setting Base".

**3** Enter 4-digit Base Unit PIN. (Factory Preset 0000)

**4** Select "Call Option".

Go to step **5** on the next page.

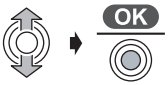
# Base Unit Settings

### ◆Selecting the Recall Time

You can change the duration of the recall time depending on the requirements of your telephone company or PBX.

Follow steps **1** to **4** of **Call Options** on the previous page, then:

***5*** Select "Recall".




***6*** Select "Type 1" (100 ms), "Type 2" (600 ms) or "Type 3" (200 ms).

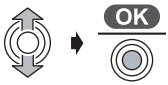
- The factory preset is "Type 2" (600 ms).

### ◆Selecting the Pause Time

You can select the pause time to 3 or 5 seconds, depending on your PBX requirements.

Follow steps **1** to **4** of **Call Options** on the previous page, then:

***5*** Select "Pause Time".




***6*** Select "Short" (3 sec.) or "Long" (5 sec.).

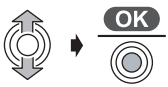
- The factory preset is "Short".

### ◆Setting the Emergency Calls

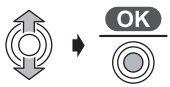
With the handset in Call Bar Mode, you can still make an emergency call.

Follow steps **1** to **4** of **Call Options** on the previous page, then:

***5*** Select "Emergency Call".




***6*** Select "Emergency Call1" to "Emergency Call5".




***7*** Enter Emergency Call Number.

***8*** Press **JOYSTICK**.

- The factory preset is **111**, **911** and **999**.

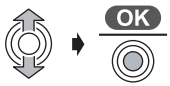
**NOTE: The factory preset Emergency Call numbers are stored in the first 3 "Emergency Call" locations, it is recommended that you do not overwrite these numbers.**

### ◆Call Restriction

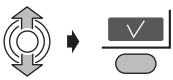
You can restrict selected handset(s) from dialling selected phone numbers. You can assign up to 6 call restriction numbers (up to 8 digits). If you dial a restricted number, the call does not connect and the restricted number flashes.

Follow steps **1** to **4** of **Call Options** on page 45, then:

***5*** Select "`Call Restricted`".

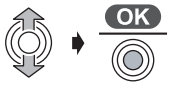



***6*** Search and press **RIGHT SOFT KEY** to attach (or cancel) "✓" to the desired Handset(s) to restrict.




***7*** Press **JOYSTICK**.

***8*** Select the restricted Number item (1-6).




***9*** Enter the restricted phone number (up to 8 digits).

***10*** Press **JOYSTICK**.

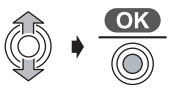
**NOTE: When you enter the first digit in step 9, it will overwrite the current displayed numbers. We recommend that you write down the restricted phone number you have entered.**

### ◆Storing Your Area Code

If you store your area code, phone numbers from the same area will be dialled without the area code. When you call back from the Caller ID List, you do not need to edit numbers.

Follow steps **1** to **4** of **Call Options** on page 45, then:

***5*** Select "`Set ARS`".




***6*** Select "`Set Area Code`".

***7*** Select the desired number (1-25).

***8*** Enter Area Code. (max. 5 digits)

***9*** Press **JOYSTICK**.

- To erase the area code, press C in step **8**, then press OK.

**NOTE: The use of this feature can prevent a National Call from being dialled. E.g., in the case of the South Island, the "03" will be omitted and will therefore prevent a National Call to other areas of the South Island.**

# Base Unit Settings

## Other Options

To exit the operation, press at any time.

**1** Press **JOYSTICK** (or move).

**2** Select "Setting Base".

**3** Enter 4-digit Base Unit PIN. (Factory Preset 0000)

**4** Select "Other Option".

Go to step **5**.

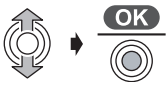
### Changing the Base Unit PIN (Personal Identification Number)

The factory preset is 0000.

Once you have programmed the base unit PIN, you cannot recall it. We recommend that you write down the base unit PIN. If you forget it, please consult your nearest Panasonic Service Centre.

Follow steps **1** to **4** shown above, then:

**5** Select "Change Base PIN".




**6** Enter new 4-digit Base Unit PIN.

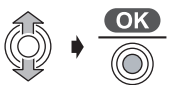
**7** Enter new PIN again to verify.

### Resetting the Base Unit Settings

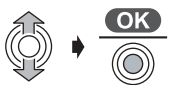
You can reset all of the base unit settings to their initial settings.

Follow steps **1** to **4** shown above, then:

**5** Select "Reset Base".




**6** Select "Yes", then "Deleted" is displayed.



### Base Unit Initial Settings

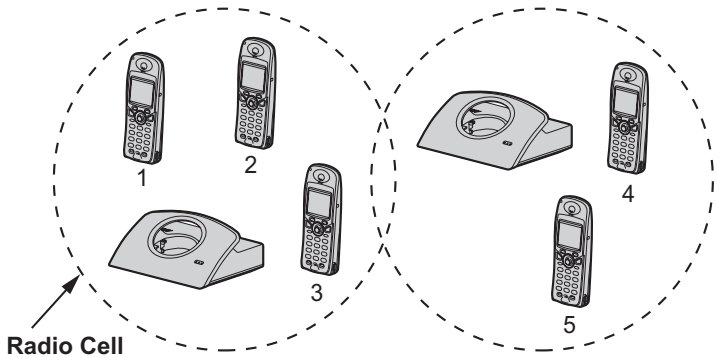
| Functions | Initial Settings |
|---|---|
| Recall Time | Type 2 (600 ms) |
| Pause Time | Short (3 seconds) |
| Emergency Call Number 1 | 111 |
| Emergency Call Number 2 | 911 |
| Emergency Call Number 3 | 999 |
| Call Restricted Handset(s) | Delete All |
| Call Restriction Number(s) | Delete All |
| 4-Digit Base Unit PIN | 0000 |
| Base Unit Ringer Volume | Medium |
| Caller ID List | Delete All |
| Date/Time | 31-12-03/00:00 |
| Answering System | ON |
| Your Own Greeting Message | Remain |
| Caller's Recording Time | No Limit |
| Number of Rings | 4 Rings |
| Greeting Monitor | ON |
| Remote Code | Delete (OFF) |
| Incoming/Memo Message(s) | Remain |
| Area code | Delete All |

## Operating Additional Handsets

Additional **KX-TCA151AZ** handsets are available for purchase separately. Up to 6 handsets can be registered to a single base unit. Using additional handsets allows you to have an intercom call while simultaneously conducting a call to an outside line.

## Operating Additional Base Units

You can register and operate your handset with up to 4 base units. Each base unit forms 1 radio cell. If the individual bases are linked to the same telephone line then you can extend the operating range of the system by positioning the bases so that the two radio cells overlap. If the handset is set to auto base selection, then in standby mode the handset will automatically swap to the second base if the range on the first base is exceeded. It is not possible to transfer calls between bases (only between handsets linked to the same base unit).




Example:
Additional handsets (KX-TCA151AZ) registered with 2 base units.

**NOTE: Calls are disconnected when the handset moves from one radio cell to another.**

## Handset Registration to a Base Unit

The handset supplied with the base unit is already registered. If an optional handset is purchased, it must be registered as follows.

**Charge the optional handset batteries for 7 hours before initial use.**

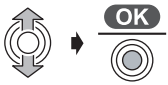
**Handset registration must be completed within 1 minute after pressing . If over 1 minute, press then start over again.**

To exit the operation, press at any time.

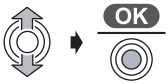
**1** Press **JOYSTICK** (or move).

**2** Select "Setting Handset".

**3** Select "Registration".



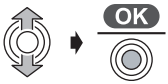

**4** Select "Register H/set".




**5** **Press and hold on the Base Unit (for about 3 seconds) until the tone sounds.**

- If all registered handset(s) start ringing (paging), press to stop paging then start over again.

**6** Select the desired base unit.




**7** Enter 4-digit Base Unit PIN.
(Factory Preset 0000)

**8** Press **JOYSTICK**.

When a handset is registered successfully, a confirmation tone sounds and the "" icon is displayed.

- If you enter an incorrect Base Unit PIN, the error tone will sound. Please repeat from step **1**.
- The handset main menu may change corresponding to the base unit that it is registered to.

# Multi-Unit User Operations

### ◆Cancelling a Handset

Each handset can cancel itself or another handset. This feature is usually used to cancel a link between Handset and Base Unit.

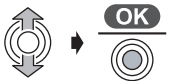
To exit the operation, press at any time.

**1** Press **JOYSTICK** (or move).

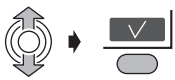
**2** Select "Setting Base".

**3** Enter 4-digit Base Unit PIN. (Factory Preset 0000)

**4** Select "Cancel Handset".




**5** Search and press **RIGHT SOFT KEY** to attach "✓" to the handset(s) to cancel.



**6** Press **JOYSTICK**.

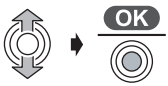
### ◆Cancelling a Base Unit

If another handset is out of range and/or power is OFF when **Cancelling a Handset**, the previous base unit number will still remain in the cancelled handset. Therefore, you need to cancel the base unit registered in the cancelled handset.

To exit the operation, press at any time.

Follow steps **1** to **3** on the previous page, then:

**4** Select "Cancel Base".

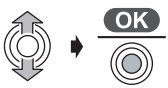



**5** Enter 4-digit Handset PIN. (Factory Preset 0000)

**6** Search and press **RIGHT SOFT KEY** to attach "✓" to the base unit to cancel.

**7** Press **JOYSTICK**.

**8** Select "Yes", then "Deleted" is displayed.



## Base Unit Selection

When "Auto" (Automatic Base Unit Selection) is selected, the handset automatically searches for other registered base units if you move outside of the radio range of the current base unit.
When a specified base unit is selected, the handset will access that base unit only. Calls (both incoming and outgoing) can be conducted only via the selected base unit, even if the radio cells overlap with neighbouring base units.

To exit the operation, press ⏻ at any time.

**1** Press **JOYSTICK** (or move).

**2** Select "Setting Handset".

**3** Select "Select Base".

**4** Select "Auto" or desired base unit.

## Intercom Between Handsets

You can use your handsets as a 2-way intercom.
**Intercom calls can be conducted within the radio cell of the current base unit, but not with units in neighbouring radio cells.**

To exit the operation, press ⏻ at any time.

**For example, when Handset 1 calls Handset 2:**

| | <Handset 1> | <Handset 2> |
|---|---|---|
| **1** | Press **INTERCOM** (INT), then press the desired handset number (ABC 2). | |
| **2** | | Press **TALK** 📞. |

- You can also answer a call by pressing (INT), (0) to (WXYZ 9), (*), (#) or (🔊) instead of pressing 📞 **(Any Key Talk)**.

**Terminating a Call**

| <Handset 1 or 2> | **3** Press **TALK OFF** ⏻. |
|---|---|

## Transferring a Call to Another Handset

The intercom can be used during a call to transfer an external call between handsets that are registered to the same base unit.

To exit the operation, press (⏻) at any time.

**For example, when Handset 1 transfers a call to Handset 2:**

| | <Handset 1> | <Handset 2> |
|---|---|---|
| | (During a call) | |
| 1 | Press **INTERCOM** (INT), then press the desired handset number (ABC 2). | |
| 2 | | Press **TALK** (☎). |
| | (Conversation between handset 1 and 2) | |
| 3 | Press **TALK OFF** (⏻). | (Conversation between outside line and Handset 2) |

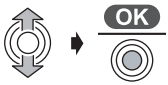
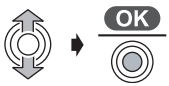
- You can also answer a call by pressing (INT), (0) to (WXYZ 9), (*), (#) or (🔊) instead of pressing (☎) **(Any Key Talk)**.
- If you press (⏻) after selecting the desired handset number, the call will be transferred immediately to the selected handset.
  If the transferred call is not answered within 60 seconds, the originating handset will ring again.
- When Handset 2 answers the transferred call, press (⏻) to complete a call transfer or press (DEF 3) to establish a **conference call**.

## Phonebook Copy

You can copy information in the handset phonebook between handsets registered to the same base unit. The phonebook copy must be performed while in intercom mode (see **Intercom Between Handsets** on page 53).

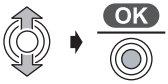
To exit the operation, press at any time.

### Copying an Item

| | <Handset 1: Receiver> (During an intercom call) | <Handset 2: Sender> (During an intercom call) |
|---|---|---|
| 1 | Press **JOYSTICK**. | |
| 2 | Select "Recv Phonebook". "Start Copying" is displayed.   | |
| 3 | | Press **JOYSTICK**. |
| 4 | | Select "Send Phonebook". |
| 5 | | Select the desired item to copy.   |
| 6 | | Select "Copy One Item" then "Start Copying" is displayed. |

### ◆Copying All Items

To exit the operation, press at any time.

| Follow steps **1** to **4** on the previous page, then: | | |
|---|---|---|
| | **<Handset 1: Receiver>** | **<Handset 2: Sender>** |
| ***5*** | | Press **JOYSTICK**.<br> |
| ***6*** | | Select "`Copy All Items`".<br>  |

- When copying is completed, a beep sounds and "`Copy Complete`" is displayed. After a few seconds, the display will return to the intercom call. "`Copy Incomplete`" will be displayed if the receiver handset memory is full. If "`Copy Failure`" is displayed on the sender handset, the receiver did not prepare for copying.
- If you move the **JOYSTICK** up or down before pressing **JOYSTICK** at step **5**, all items will not be copied. The items, from the item indicated now to the last item, are copied.

The Walkie-Talkie feature allows handsets to communicate with each other outside the range of the base unit. When the handsets are in Walkie-Talkie mode, external calls cannot be received. Only **KX-TCA151AZ** with Walkie-Talkie feature can communicate with one another.
Talk time in this mode is approximately 6 hours and Standby time is approximately 15 hours maximum. (These times will change according to conditions.) When you have finished using the handset in Walkie-Talkie mode, we recommend turning the handset off. Turn it on only when Walkie-Talkie mode is required. Turning the handset off immediately after use will improve battery operating time.

**Range:**
**The maximum range between two handsets while in Walkie-Talkie mode is up to 300 metres outdoors.**



## Setting the Walkie-Talkie Mode

You can set the Walkie-Talkie mode. There are two types: Common Base Station mode and Group mode. The factory preset is Group mode.

- In Common Base Station mode, communication is possible between handsets registered to a common base unit. If the handsets are registered to more than one base unit, the same base unit must be selected.

  Please note, the feature will not operate if AUTO is set in the base unit selection.

  If Common Base Station mode is selected and the handset is not registered to a base unit, an error tone sounds.
- In Group mode, communication is possible between handsets that are both set to this mode and whose Group IDs are common.
  This allows handsets to communicate in Walkie-Talkie mode regardless of which base unit they are registered to.

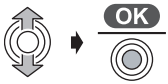
# Walkie-Talkie

To exit the operation, press ⏻ at any time.

**1** Press **JOYSTICK** (or move).

**2** Select "Walkie-Talkie".

**3** Select "Setting".




**4** Select "Common" or "Group".

**When "Group" is selected;**

**5** Enter 3-digit Group Code. (Factory Preset 000)

**6** Press **JOYSTICK**.

**7** Enter Handset Number. (1-9: Factory Preset is 1.)

**8** Press **JOYSTICK** twice.

twice

- If you select "Group", enter Group Code (this can be 3 digits of your choice - the factory preset is 000). Make note of your code.
- The factory preset of Handset Number is 1.

**IMPORTANT**: Each handset should have its own unique number.

## Turning the Walkie-Talkie Mode On/Off

To use the Walkie-Talkie feature, all handsets in conversation must be in Walkie-Talkie mode.
To exit the operation, press (0) at any time.

### To Turn the Walkie-Talkie Mode On

**1** Press **JOYSTICK** (or move).

**2** Select "Walkie-Talkie".

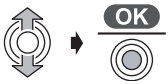
**3** Select "On".

- When the Walkie-Talkie mode is ON, the handset number is displayed after "Walkie-Talkie" appears on the display.

### To Turn the Walkie-Talkie Mode Off

**1** Press **JOYSTICK**.

**2** Select "Off".




- This feature is also turned off if you turn power off then on.

## Talking in Walkie-Talkie Mode

Before proceeding with this function, please ensure Walkie-Talkie mode is turned on, and the appropriate Walkie-Talkie mode has been selected.
**For example, Handset 1 is calling Handset 2.**

To exit the operation, press (0) at any time.

| | **<Handset 1>** | **<Handset 2>** |
|---|---|---|
| **1** | Press **INTERCOM** (INT), or , then press the desired handset number (2). | |
| **2** | | Press **TALK** . |

- You can also answer a call by pressing (INT), (0) to (9), (*), (#) or instead of pressing **(Any Key Talk)**.

# Answering System

**Voice Date/Time Stamp**-The date and time that the incoming/memo message was recorded will be announced after playback of the message. To set the Voice Date/Time stamp, set the date and time (p. 13).
**Flash Memory Message Backup**-The total recording capacity is approximately 30 minutes or 64 messages. Any recorded noise may shorten the recording time up to 3 minutes. The greeting recording time is limited to 2 minutes and 30 seconds. We recommend you to record a brief greeting message in order to leave more time for recording new incoming/memo messages. All messages (greeting, incoming and memo) are stored indefinitely on a "`Flash memory`" IC chip, even if a power failure occurs. All of the messages are saved until you erase them.

## Answering System ON/OFF

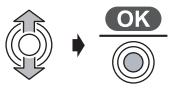
When you set the answering system ON, a caller can leave his/her messages.

### To Set ON

**1** Press **JOYSTICK** (or move).

**2** Select "TAM `Operation`".

**3** Select "`Answer On`", then is displayed.

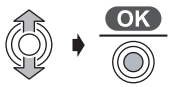



### To Set OFF

**1** Press **JOYSTICK** (or move).

**2** Select "TAM `Operation`".

**3** Select "`Answer Off`", then disappears.



## Greeting Message

### Recording Your Own Greeting Message

**1** Press **JOYSTICK** (or move).

**2** Select "TAM Operation".

**3** Select "Record".

**4** Select "Record OGM".

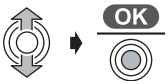
**5** Record Greeting Message 20 cm away from the MIC.

**6** Press **JOYSTICK** to finish recording, then the recorded message is played back.

### Selecting the Caller's Recording Time

Follow steps **1** to **2** shown above, then:

**3** Select "Setting TAM".




**4** Select "Msg Rec Time".

**5** Select "1 Minute" or "No Limit" (up to 30 minutes) or "Greeting Only" (no incoming messages will be recorded).

- The factory preset is "No Limit".

### ◆Playing back Pre-Recorded/Your Own Greeting Message

If you do not record your own greeting message, one of two pre-recorded messages will be played. A pre-recorded greeting message depends on the selection of caller's recording time.

When the recording time is set to "1 Minute" or "No Limit" (30 minutes).

- "Hello, we are not available now. Please leave your name and phone number after the beep. We will return your call."

When the recording time is set to "Greeting Only".

- "Hello, we are not available now. Please call again. Thank you for your call."

**1** Press **JOYSTICK** (or move).

**2** Select " TAM Operation".

**3** Select "Play OGM".

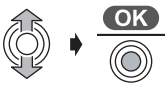
### ◆Deleting Your Own Greeting Message

**1** Press **JOYSTICK** (or move).

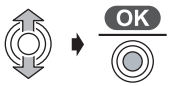
**2** Select " TAM Operation".

**3** Select "Delete Message".

**4** Select "Delete OGM".




**5** Select "Yes", then "Deleted" is displayed.




- You can also delete your own greeting message by pressing then selecting "Yes" during playback (see **Playing back Pre-Recorded/Your Own Greeting Message** on this page).

## Selecting the Number of Rings

You can select the number of times the unit rings before the answering system answers a call, from 2 to 7 or Auto (for **Toll Saver**; as shown below).

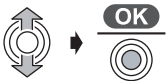
**Toll Saver (When set to "Auto")**

When you call the unit from a touch tone telephone:
If the unit answers on the 2nd ring, there is at least one new message.
If the unit answers on the 5th ring, there are no new messages.
**Hang up when you hear the 4th ring. This will save you the toll charge for the call.**

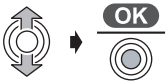
**1** Press **JOYSTICK** (or move).

**2** Select "TAM Operation".

**3** Select "Setting TAM".




**4** Select "Number of Rings".



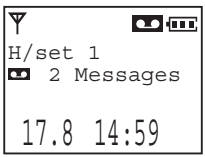

**5** Select "Auto" or "2 Rings" to "7 Rings" to select the number of rings.

- The factory preset is "4 Rings".

# Answering System

## Incoming/Memo Messages

Incoming messages and memo messages are stored in chronological order. New messages cannot be recorded when "Memory full" is heard. We recommend you erase unnecessary messages after each playback to leave more time for new recordings.



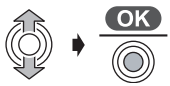

If new messages have been recorded, the icon and the number of messages will be displayed.

### Playing New Incoming/Memo Message(s)

**1** Press **JOYSTICK** (or move).

**2** Select "TAM Operation".

**3** Select "Play New Msg.".



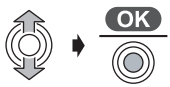

- Messages are heard from the speaker. To switch to the receiver, press . To switch back to the speaker, press .

### Playing All Incoming/Memo Messages

**1** Press **JOYSTICK** (or move).

**2** Select "TAM Operation".

**3** Select "Play All Msg.".




### Repeating a Message During Playback

(During message playback) ➧ **1** Move the **JOYSTICK** left.

### Skipping a Message During Playback

(During message playback) ➧ **1** Move the **JOYSTICK** right.

### Stopping a Message During Playback

(During message playback) ➧ **1** Press **LEFT SOFT KEY**.

### ◆Selecting the Receiver/Speaker Volume During Playback

(During message playback) ➧ **1** Move the **JOYSTICK** up or down.

### ◆Deleting One Incoming/Memo Message

(During message playback) ➧ **1** Press **JOYSTICK**.

**2** Select "`Delete`".

**3** Select "`Yes`", then "`Deleted`" is displayed.

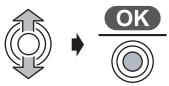
- You can also delete the message by pressing then selecting "`Yes`" during playback (p.64).

### ◆Deleting All Incoming/Memo Messages

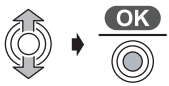
**1** Press **JOYSTICK**.

**2** Select " `TAM Operation`".

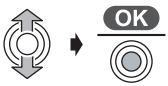
**3** Select "`Delete Message`".




**4** Select "`Delete All`".



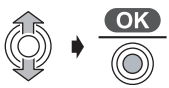

**5** Select "`Yes`", then "`Deleted`" is displayed.




### ◆Calling back to the Caller

(During message playback) ➧ **1** Press **JOYSTICK**.

**2** Select "`Call Back`".



### ◆Editing a Number for Calling

(During message playback) ➧

**1** Press **JOYSTICK**.

**2** Select "Edit for Call".

**3** Edit Phone Number. (max. 24 digits)

**4** Press **JOYSTICK**, **TALK** or **SPEAKERPHONE**.

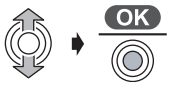
## ◆◆Monitor Function ON/OFF

When your greeting message is being played to the caller and the caller's message is being recorded, you can listen to it through the handset.

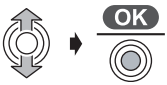
**1** Press **JOYSTICK** (or move).

**2** Select "TAM Operation".

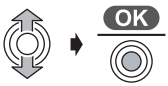
**3** Select "Setting TAM".




**4** Select "Greet Monitor".




**5** Select "On" or "Off".




- The factory preset is "On".

## Answering System Direct Command

**You can operate the answering system by pressing dialling buttons as direct command.**

**1** Press **JOYSTICK** (or move).

**2** Select "TAM Operation".

**3** Select "Play New Msg." or "Play All Msg."

| Follow steps **1** to **3** shown above, then: | |
|---|---|
| Press 1 | To repeat a message. |
| Press ABC 2 | To skip a message. |
| Press WXYZ 9 | To stop a message playback. |
| Press A→a * GHI 4 | To delete one incoming/memo message. *1 |
| Press A→a * JKL 5 | To delete all incoming/memo messages. |

| Follow steps **1** to **2** shown above, then: | |
|---|---|
| Press DEF 3 | To enter the answering system setting menu. |
| Press GHI 4 | To playback new incoming/memo message(s). |
| Press JKL 5 | To playback all incoming/memo messages. |
| Press MNO 6 | To playback a greeting message. |
| Press PQRS 7 GHI 4 | To record a memo message. |
| Press PQRS 7 MNO 6 | To record your own greeting message. |
| Press TUV 8 | To set the answering system ON. |
| Press WXYZ 9 | To stop playing back or recording a message. |
| Press 0 | To set the answering system OFF. |
| Press A→a * MNO 6 | To delete your own recorded greeting message. |

*1 This function is available only during an incoming/memo message playback.

## Remote Operation from a Touch Tone Phone

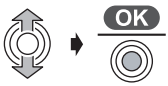
You can operate the answering system from any touch tone phone.
**Firstly you must store your remote code using the handset near the base unit.**
The 3-digit remote code prevents unauthorised use of your answering system for listening to recorded messages.

### Setting the Remote Code ON

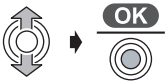
**1** Press **JOYSTICK** (or move).

**2** Select "TAM Operation".

**3** Select "Setting TAM".




**4** Select "Remote Code".




**5** Enter 3-digit Remote Code.

**6** Press **JOYSTICK**.

### Setting the Remote Code OFF

Follow steps **1** to **4** shown above, then:

**5** Press ✱.

**6** Press **JOYSTICK**.

- The factory preset is Remote Code OFF.

### Turning ON the Answering System Remotely

You can turn on the answering system from any touch tone phone.

**1** Call from a touch tone phone then wait for 15 rings.

**2** Enter Remote Code within 10 seconds after a long beep.

**3** Re-enter the Remote Code after the greeting message playback.

**4** Voice menu starts after 3 seconds.
➧ Follow the guidance (see page 70).

**OR**

Enter your desired direct remote command (see next page).

- If your remote code is not stored, you cannot turn on the answering system remotely.

### Summary of Remote Operation

You can operate the answering system from any touch tone phone.

***1*** Call from a touch tone phone.

***2*** Greeting message playback.

***3*** Enter Remote Code.

***4*** The number of new message(s) is played.

***5*** Voice menu starts after 3 seconds.
➧ Follow the guidance (see next page).

**OR**

Enter your desired direct remote command (see below).

- To skip the greeting message, press ✳ during the greeting at step **2**.

### Direct Remote Commands

After entering the remote code, you can operate your answering system using direct commands as shown below, instead of following the voice menu. To end the remote operation, hang up anytime.

| Command | Function |
|---|---|
| 1 | Repeat message (during playback) |
| 2 | Skip message (during playback) |
| 4 | New message playback |
| 5 | All message playback |
| 6 | Check greeting message |
| 7 ➧ **Record** | Greeting message recording |
| 9 | Stop operating |
| 0 | Answering system off |
| ✳ ➧ 4 | Deleting specific message (during playback) |
| ✳ ➧ 5 | Deleting all messages |
| ✳ ➧ 6 | Deleting greeting message (during playback) |
| ✳ ➧ # | Disconnect |

### ◆Voice Menu

The words in " " mean a voice guidance.

| | Press 1. ➡ | |
|---|---|---|
| Press 2 | "Press 1 to playback all messages. Press 2 for other functions." | "All message playback." At the end of the last message, "End of final message" is announced. When the remaining recording time becomes less than 5 minutes, the remaining recording time is announced. |
| Press 2 | "Press 1 to playback new messages. Press 2 for other functions." | "New message playback." |
| Press 2 | "Press 1 to record your message. Press 2 for other functions." | "Please leave your message." Talk after you hear this message. ⬇ Hang up to finish recording. |
| Press 2 | "Press 1 to erase all messages. Press 2 for other functions." | "No message." |
| Press 2 | "Press 1 to record your greeting. Press 2 for other functions." | "Press 7 to record your greeting. Press 9 to end recording." Press 7 to start recording. ⬇ Talk after a long beep. ⬇ Press 9 to finish recording. |

- After playback, the voice menu will start again from the beginning.
- If you hear "Memory full" after playback, erase some or all of the messages (p.65).

## Recording a Memo Message

**1** Press **JOYSTICK** (or move).

**2** Select "TAM Operation".

**3** Select "Record".

**4** Select "Record Memo".

**5** Record Memo Message 20 cm away from the MIC.

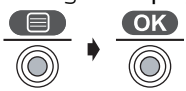
**6** Press **JOYSTICK**.

## Recording Your Telephone Conversation

When you record your 2-way telephone conversation, you should inform the other party that the conversation is being recorded.
During recording, a beep will sound approximately every 15 seconds.

(During a call)

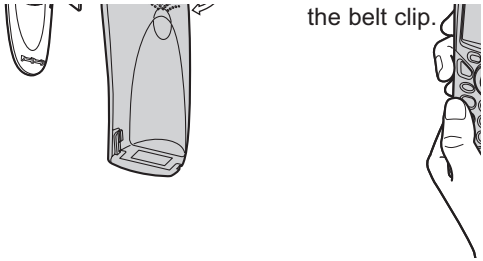
**1** Press **JOYSTICK** twice to start recording, then "Recording" is displayed.




**2** Press **JOYSTICK** to stop recording.

- All persons using this device for recording telephone conversations shall comply with New Zealand law. This requires that at least one party to the conversation is to be aware that it is being recorded. In addition, the principles enumerated in the Privacy Act 1993 shall be complied with in respect to the nature of the personal information collected, the purpose for its collection, how it is used and what is disclosed to any other party.

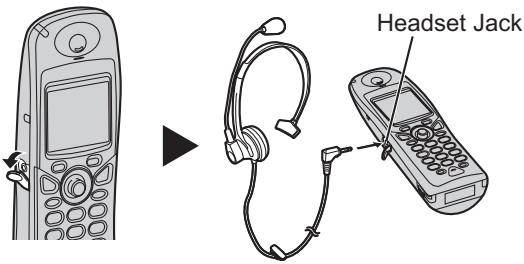
# Using the Belt Clip




You can hang the handset on your belt or pocket using the belt clip.

# Optional Headset

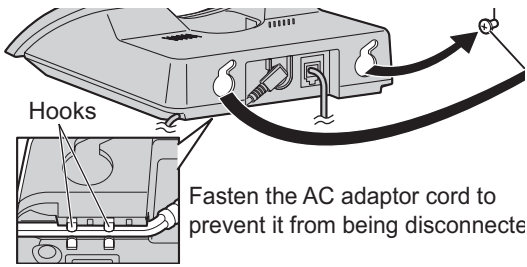
Plugging an optional headset into the handset allows hands-free phone conversations. While using the headset, speakerphone is not available. To switch to speakerphone, disconnect the headset.




◆**Connecting the Optional Headset to the Handset**

Open the headset jack cover, and connect the optional headset to the headset jack as shown.

# Wall Mounting

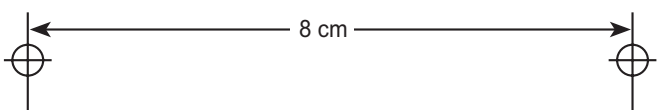



This unit can be mounted on a wall.

- Insert screws into the wall. The centre of the screw holes should be 8 cm horizontally apart.
- Connect the AC adaptor and the telephone line cord.
- Arrange the wires as shown, then mount the unit.

- Make sure the screws are securely fastened to the wall.

**Wall Template**



If you experience any problems with the normal use of your apparatus, you should unplug it from the telephone outlet and connect a known working telephone in its place. If the known working telephone still has problems, then please contact the customer service department of your telephone company.
If it operates correctly, then the problem is likely to be a fault in your apparatus.
In this case, contact your supplier for advice. Your telephone company may charge you if they attend a service call that is not due to an apparatus supplied by them.
**Turn the power OFF then ON (Handset)/Disconnect then connect the AC adaptor (Base Unit).**

| Problem | Possible cause | Solution | Page |
|---|---|---|---|
| The unit does not work. | • Batteries not installed properly.<br>• AC adaptor of base unit not connected properly. | • Re-install batteries properly.<br>• Disconnect and then connect AC adaptor. | p.10 |
| Display is blank. | • Handset not turned on. | • Turn on power. | p.12 |
| Display is blank even if the unit is charged. | • Battery low. | • Recharge batteries more than about 15 minutes. | p.10 |
| Handset will not turn on. | • Batteries not inserted.<br>• Batteries not charged. | • Insert the 2 rechargeable batteries supplied.<br>• Place handset on base and connect AC adaptor to base and AC outlet (full charge period 7 hrs). | p.10 |
| Battery charge icon not counting up. | • Dirty charge contacts.<br>• Base not powered up. | • Clean charge/battery contacts and retry charge.<br>• Connect AC adaptor to base unit and AC outlet. | p.11<br>p.10 |
| icon flashes. | • Handset not registered to base.<br>• Handset out of range of base.<br>• No power into base unit. | • Register handset to base.<br>• Move handset closer to base.<br>• Connect AC adaptor to base unit and AC outlet. | p.51<br>p.10 |
| Handset busy tone heard when is pressed. | • Handset out of range of base.<br>• Another handset in use. | • Move handset closer to base.<br>• Wait for the other user to complete call. | |
| No dial tone. | • Telephone line not connected. | • Insert telephone line cord to network.<br>• Turn power OFF then ON. | p.10<br>p.12 |

# Before Requesting Help

| Problem | Possible cause | Solution | Page |
|---|---|---|---|
| Cannot dial out. | • Call Bar mode ON.<br>• Particular dialled number is restricted.<br>• Key lock mode ON. | • Turn feature OFF.<br>• Remove number from call restricted list.<br>• Turn key lock OFF. | p.41<br>p.47<br>p.16 |
| Handset will not ring. | • Ringer switched off. | • Set ringer to one of 6 volume levels. | p.38 |
| Last number redial does not work. | • Number exceeded 24 digits. | • Redial manually. | p.17 |
| No Caller ID number displayed. | • Service not supplied.<br>• Caller has withheld info. | • Caller ID service must be arranged with telephone company. | p.19 |
| icon flashes. | • Battery low. | • Recharge batteries. | p.10 |
| Cannot register handset to base. | • Max. number of bases already registered to handset.<br>• Max. number of handsets already registered to base unit.<br>• Wrong PIN number entered (Default 0000).<br>• Electrical noise in local area. | • Delete unused base registrations from handset.<br>• Delete unused handset registrations from base.<br>• If PIN number is lost, contact the Panasonic Service Centre.<br>• Move base/handset away from sources of electrical noise (e.g. TVs, radios, etc.). | p.52<br>p.52<br>p.48<br>p.5 |

### Answering System

| Problem | Possible cause | Solution | Page |
|---|---|---|---|
| The answering system is on, but incoming messages are not recorded. | • The recording time is set to "Greeting Only".<br>• Memory is full (30 minutes or 64 messages). | • Select "1 Minute" or "No Limit".<br>• Erase some or all of the messages. | p.61<br>p.65 |
| Cannot operate the answering system from a touch tone phone. | • Incorrect remote code entered.<br>• Tones are too short to activate the unit.<br>• The answering system is off. | • Enter the correct remote code.<br>• Press each button firmly.<br>• Turn on the answering system. | p.69<br><br>p.60, 68 |
| Cannot operate the answering system with the handset. | • Someone is operating the answering system.<br>• You are too far from the base unit. | • Retry when other user has finished operation.<br>• Move closer to the base unit. | |
| While recording a greeting message, the unit starts to ring and stops recording. | • A call is being received. | • To answer the call, press **TALK**. The recording stops halfway. Start from the beginning after hanging up. | |
| During playback, the unit starts to ring and stops playback. | • A call is being received. | • To answer the call, press **TALK**. | |

## Phonebook Character Table

| Buttons | Alphabet (ABC) | Numeric (0–9) | Greek(АВГ) | Extended 1(AÄÅ) | Extended 2 (SŚŠ) | Russian (АБВ) |
|---|---|---|---|---|---|---|
| 1 | Space # & ' ( ) ∗ , – . / 1 | 1 | Space # & ' ( ) ∗ , – . / 1 | | | |
| ABC 2 | A B C 2 | 2 | Α Β Γ 2 | A À Á Â Ã Ä Å Æ B C Ç 2 | A Á Ä Ą B C Ć Č 2 | А Б В Г 2 |
| | a b c 2 | | | a à á â ã ä å æ b c ç 2 | a á ä Ą b c Ć Č 2 | |
| DEF 3 | D E F 3 | 3 | Δ Ε Ζ 3 | D E È É Ê Ë Ē F 3 | D Ď E É Ę Ě F 3 | Д Е Ж З 3 |
| | d e f 3 | | | d e è é ê ë ē f 3 | d ď e é Ę ě f 3 | |
| GHI 4 | G H I 4 | 4 | Η Θ Ι 4 | G Ğ H I Ì Í Î Ï Ī İ Ĭ 4 | G H I Í 4 | И Й К Л 4 |
| | g h i 4 | | | g ğ h i ì í î ï ī ı ĭ 4 | g h i í 4 | |
| JKL 5 | J K L 5 | 5 | Κ Λ Μ 5 | J K L 5 | J K L Ł Ĺ Ľ 5 | М Н О П 5 |
| | j k I 5 | | | j k I 5 | j k I Ł Ĺ Ľ 5 | |
| MNO 6 | M N O 6 | 6 | Ν Ξ Ο 6 | M N Ñ O Ò Ó Ô Õ Ö ø 6 | M N Ń Ň O Ó Ö Ő 6 | Р С Т У 6 |
| | m n o 6 | | | m n ñ o ò ó ô õ ö ø 6 | m n Ń ň o ó ö ő 6 | |
| PQRS 7 | P Q R S 7 | 7 | Π Ρ Σ 7 | P Q R S Ş ß 7 | P Q R Ŕ Ř S Ś Š 7 | Ф Х Ц Ч 7 |
| | p q r s 7 | | | p q r s Ş ß 7 | p q r Ŕ ř s Ś Š 7 | |
| TUV 8 | T U V 8 | 8 | Τ Υ Φ 8 | T U Ù Ú Û Ü Ũ V 8 | T Ť U Ú Ü Ű ů V 8 | Ш Щ Ъ Ы 8 |
| | t u v 8 | | | t u ù ú û ü ũ v 8 | t ť u ú ü ű ů v 8 | |
| WXYZ 9 | W X Y Z 9 | 9 | Χ Ψ Ω Ϗ 9 | W Ŵ X Y ŷ Z 9 | W X Y ỳ Ý Z Ź Ż Ž 9 | Ь Э Ю Я 9 |
| | w x y z 9 | | | w Ŵ x y ŷ z 9 | w x y ỳ ý z Ź Ż Ž 9 | |
| 0 | Space 0 | 0 | Space 0 | | | |

- The following small (or capital) letters of Greek, Russian (Cyrillic), Polish, Czech and Slovakian are not available. The same letter as capital (or small) will be displayed. ą ć č ę ł Í ľ ń Ø ŕ ş ś š Ů ŵ Ỳ Ŷ ź ż ž
- Press A→a ∗ to change letter size; Capital > Small, Small > Capital.

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# Technical Information

## Specifications

| | |
|---|---|
| **Standard:** | DECT=(Digital Enhanced Cordless Telecommunications)<br>GAP=(Generic Access Profile) |
| **Number of channels:** | 120 Duplex Channels |
| **Frequency range:** | 1.88 GHz to 1.9 GHz |
| **Duplex procedure:** | TDMA (Time Division Multiple Access) |
| **Channel spacing:** | 1728 kHz |
| **Bit rate:** | 1152 kbit/s |
| **Modulation:** | GFSK |
| **RF Transmission power:** | Approx. 250 mW |
| **Voice coding:** | ADPCM 32 kbit/s |
| **Power source:** | AC Adaptor 220 - 240 V, 50 Hz |
| **Power consumption, base unit:** | Standby: Approx. 3.5 W<br>Maximum: Approx. 9.2 W |
| **Operating conditions:** | 5 - 40 °C, 20 - 80 % relative air humidity (dry) |
| **Dimensions and mass (weight):** | |
| **Base Unit:** | About (58 mm x 128 mm x 105 mm) x 200 g |
| **Handset:** | About (143 mm x 48 mm x 32 mm) x 125 g |

- Specifications are subject to change.
- The illustrations used in this manual may differ slightly from the original device.

**Connections:**
The unit will not work during a power failure. We recommend you connect a standard telephone on the same line for power protection.

**For your future reference**

Serial No. Date of purchase

(found on the bottom of the base unit)

Name and address of dealer

Technical specifications are subject to change.

**Sales Department:**
Panasonic New Zealand Ltd.
350 Te Irirangi Drive
East Tamaki
Private Bag 14911
Panmure AUCKLAND
NEW ZEALAND

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